

MCQ

Sheet 1

1) The slope of a line u is 5 and is parallel to the line v which passes through the point $(-4, -2)$. Which of the following represents the equation of the line v ?

- a) $5x + y = 18$ b) $5x - y = -18$ c) $5x - 5y = 18$ d) $5x - y = 15$

2) Which of the following line passes through the point $(-5, 8)$ has the slope 4?

- a) $4x - y = 28$ d) $4x - y = -28$

3) Which of the following line passes through the point $(2, 5)$ and $(5, -1)$?

- a) $x - y = 3$ d) $-x + y = 6$

4) Identify the equation of the line that has a y-intercept as -8 and a x-intercept as 9 .

- a) $9x - 8y = -72$ d) $9x + 8y = -72$

5) Which of the following line passes through the point $(-2, 5)$ and has a slope of 2 ?

- a) $2x + y = 4$ d) $2x - y = 5$

6) The slope of a line n is $-\frac{1}{2}$ and it is perpendicular to the line m that passes through the point $(-6, -4)$. Identify the equation of the line m .

- a) $x - 8y = 8$ b) $x + 8y = -38$ c) $8x - y = 38$ d) $8x - y = 8$

7) Identify the line that is perpendicular to the line $x + y + 6 = 0$ and passes through the point $(3, 5)$.

- a) $x + y = 2$ b) $-x - y = 8$ c) $x - y = -2$ d) $x - y = -7$

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